

FIG. 1

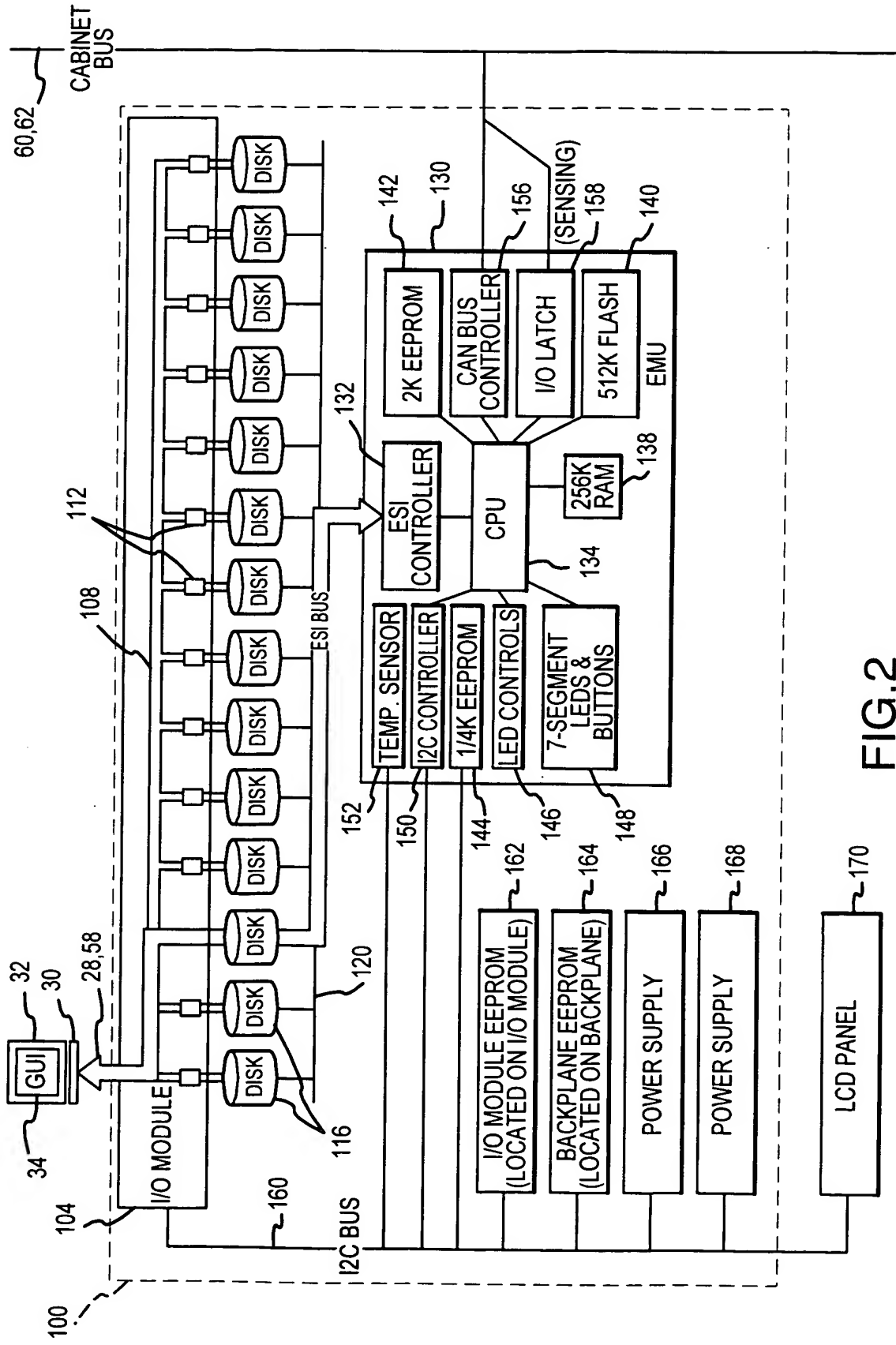


FIG.2

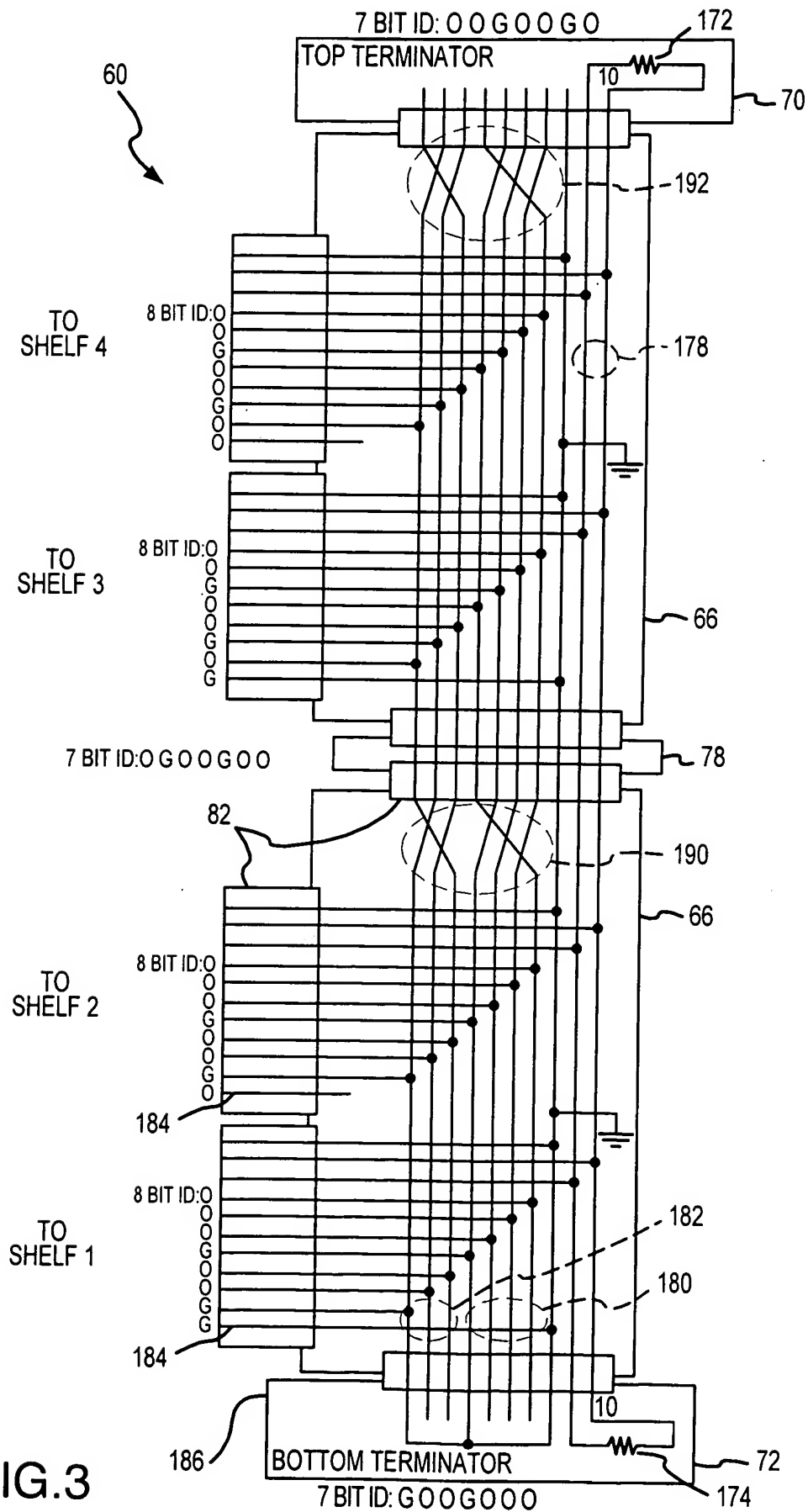


FIG. 4

SHELF ID	BITS 7..4	BITS 3..1	BIT 0
1	1110	110	0
2	1110	110	1
3	1101	101	0
4	1101	101	1
5	1011	011	0
6	1011	011	1
7	0111	110	0
8	0111	110	1
9	1110	101	0
10	1110	101	1
11	1101	011	0
12	1101	011	1
13	1011	110	0
14	1011	110	1
15	0111	101	0
16	0111	101	1
17	1110	011	0
18	1110	011	1
19	1101	110	0
20	1101	110	1
21	1011	101	0
22	1011	101	1
23	0111	011	0
24	0111	011	1
CABINET CABLE DISCONNECTED	1111	XXX	X
CABINET CABLE DISCONNECTED	XXXX	111	X

FIG.4

FIG. 5 is a block diagram of a system 200, including a management device 202, a communications network 208, two host computers 210 and 212, and a cabinet 220. The management device 202 includes a user interface 204. The cabinet 220 includes eight shelves (SHELF 1 to SHELF 8), each containing an enclosure 100 and array controllers. The host computers 210 and 212 are connected to the communications network 208. The cabinet 220 is connected to a cabinet communication network 250 via a cabinet processor 246. A cabinet cable or bus 244 and a cabinet LED 249 are also shown.

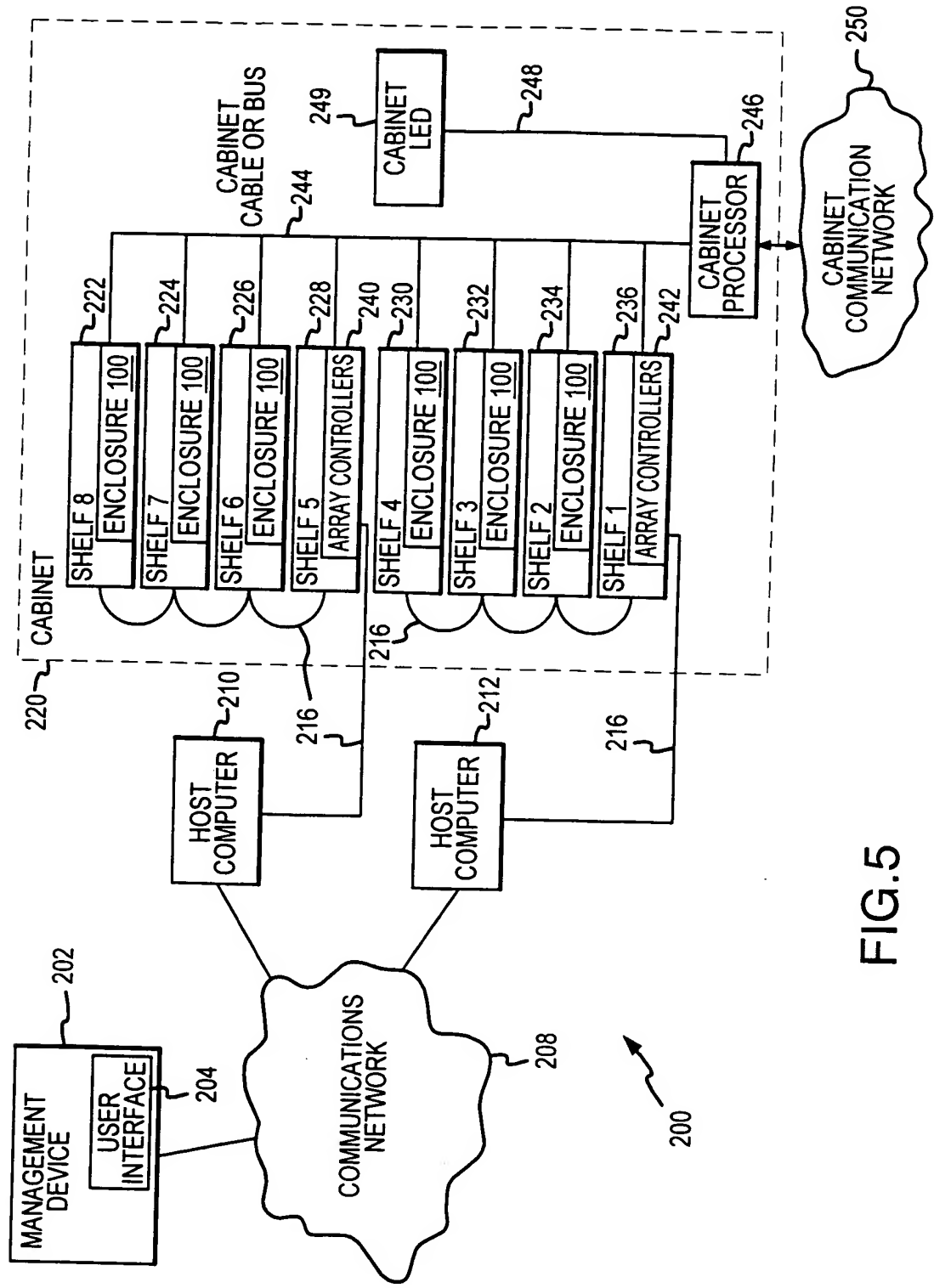


FIG.5

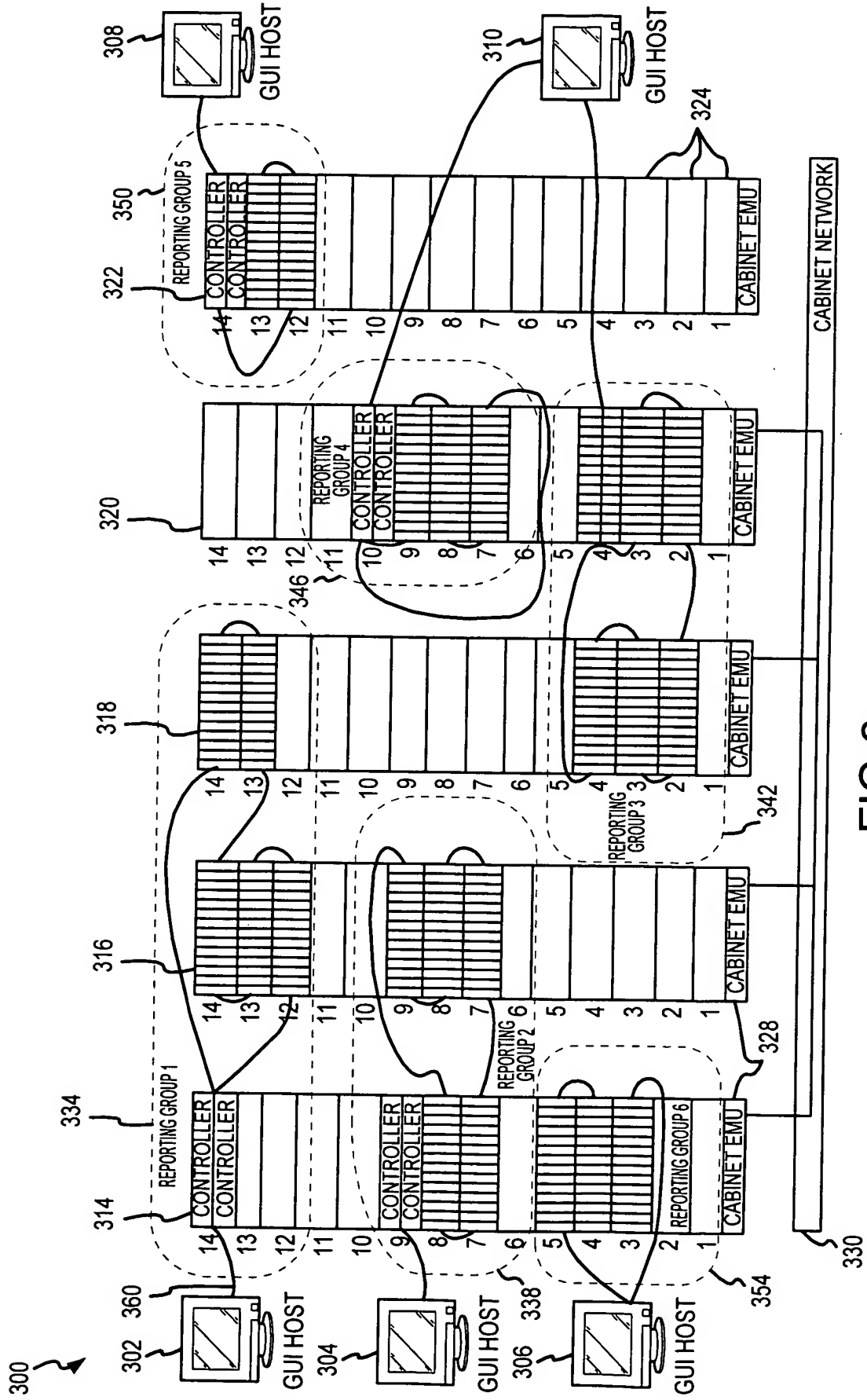


FIG.6

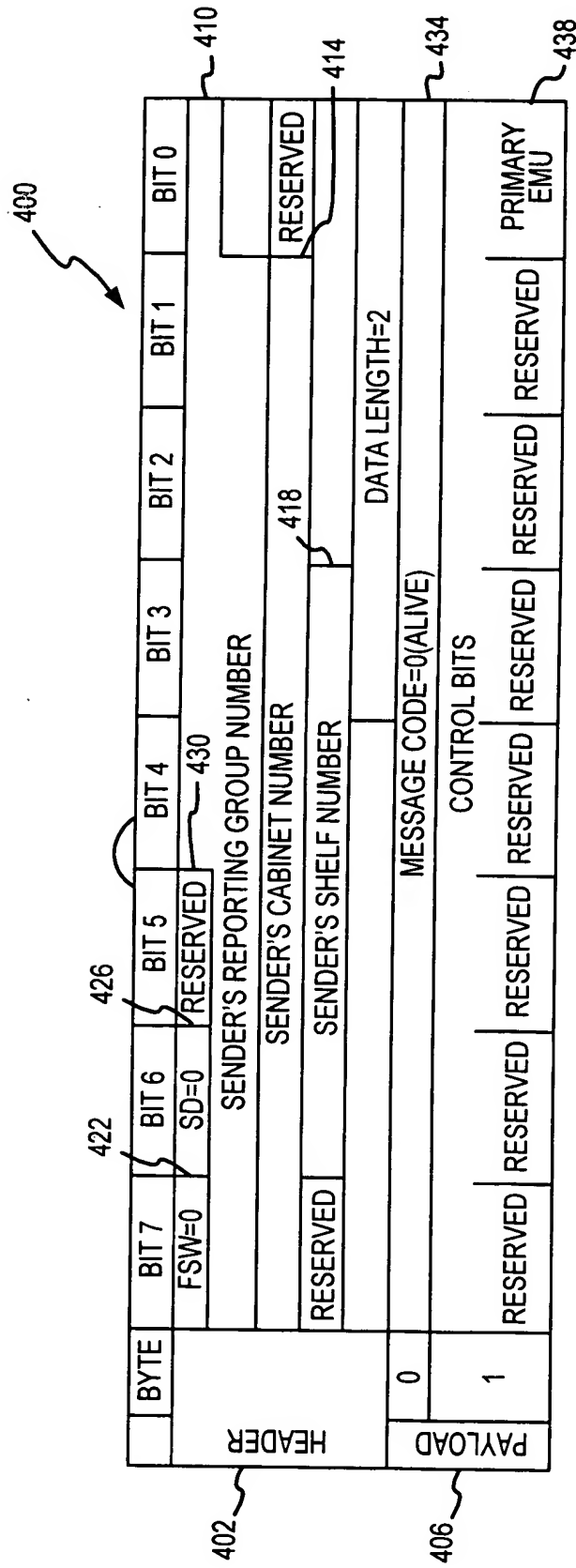


FIG. 7

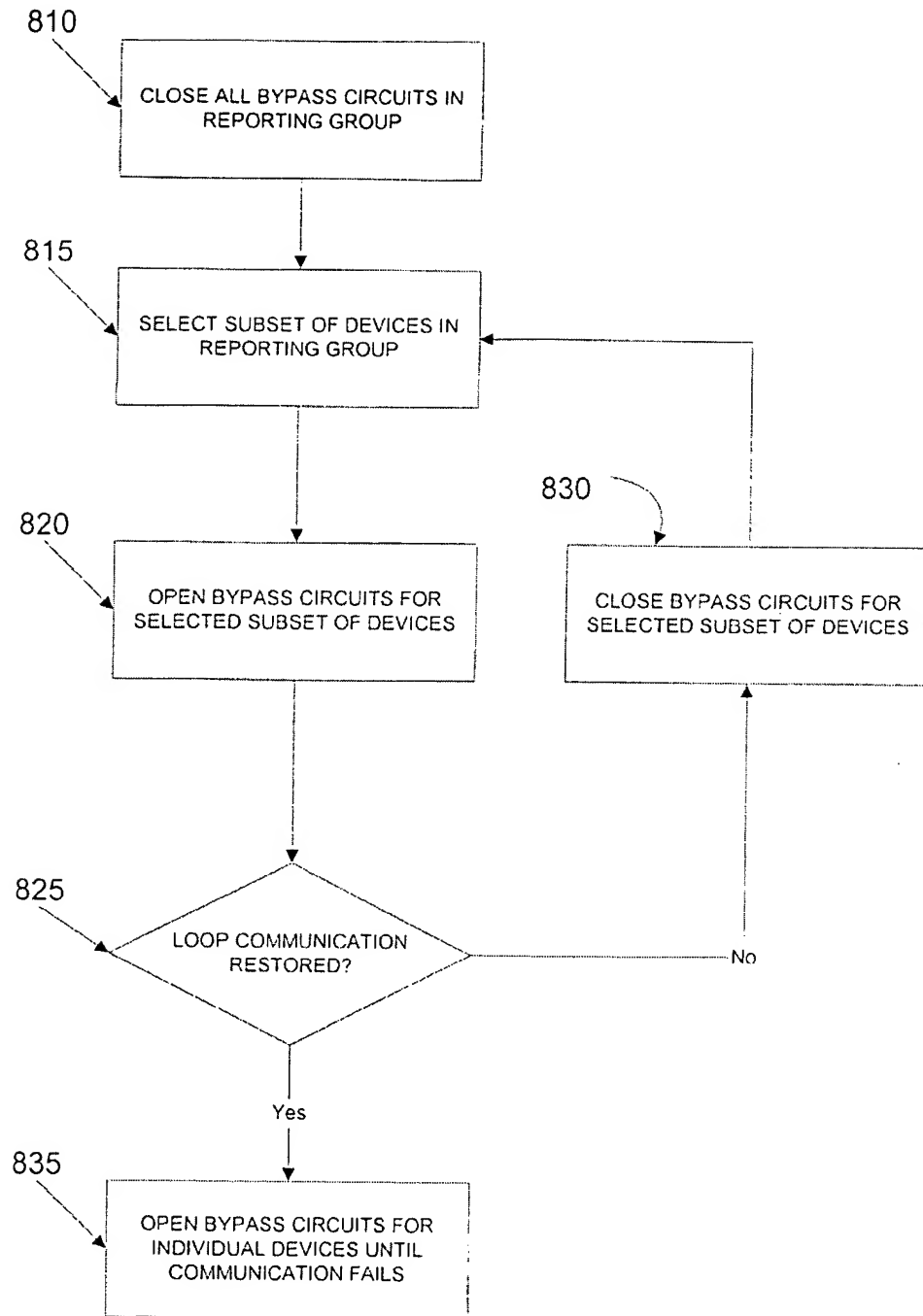


FIG. 8

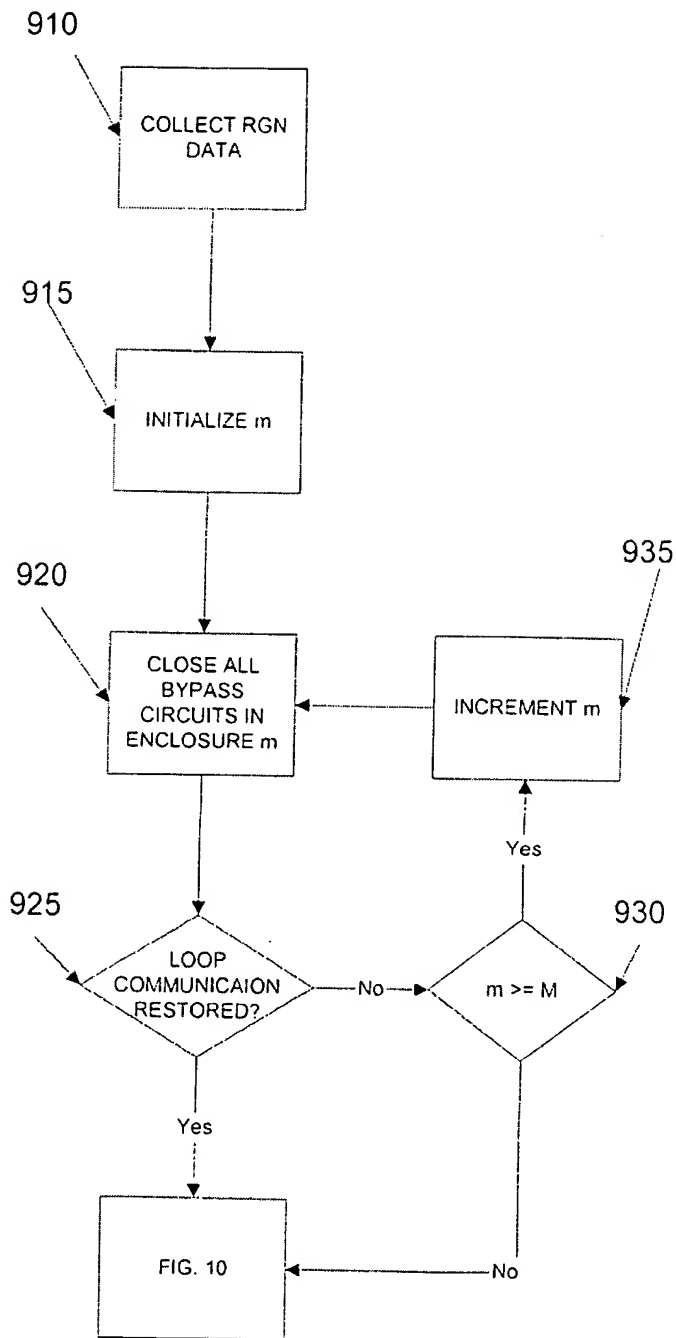


FIG. 9

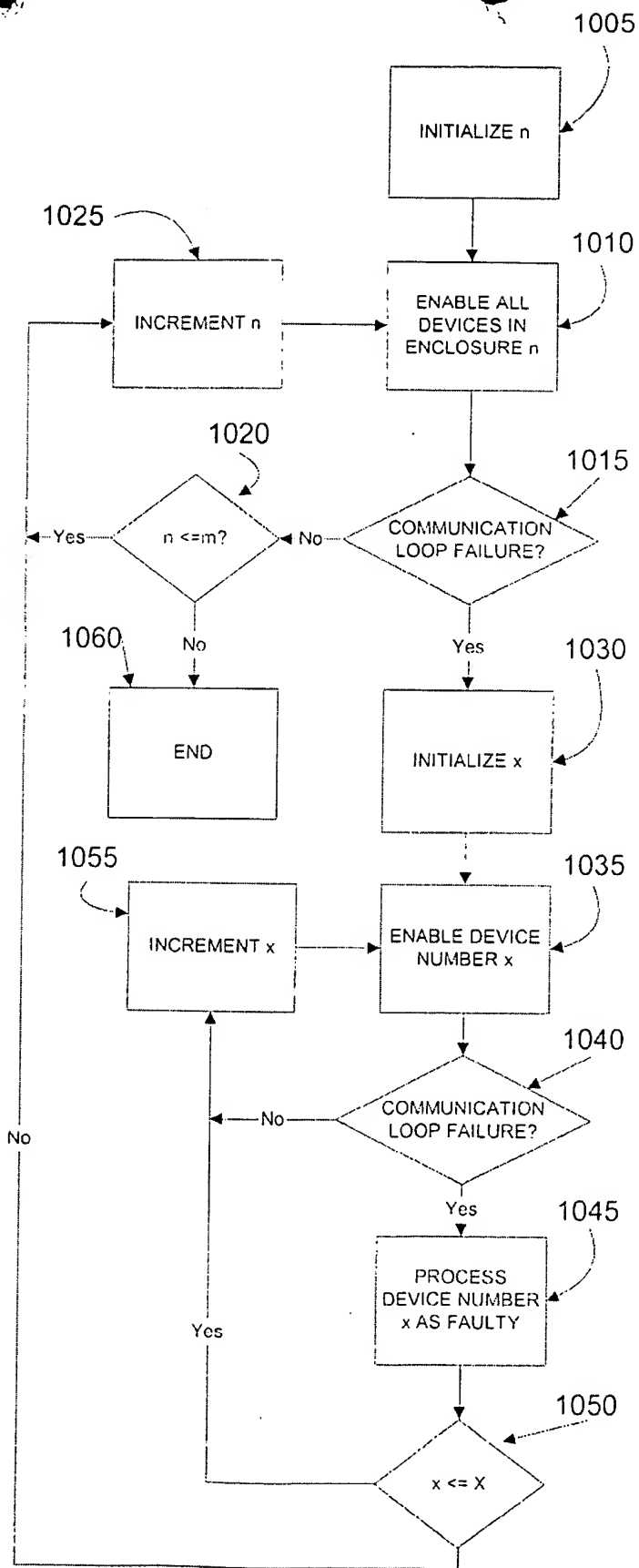


FIG. 10